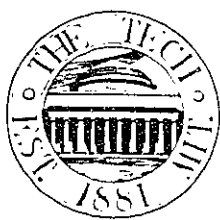


The Tech



NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXIX NO. 15

CAMBRIDGE, MASSACHUSETTS, FRIDAY, APRIL 24, 1959

5 CENTS

Techman Receives National Award Of Tau Beta Pi

One of the five national Tau Beta Pi fellowships for 1959-60 was awarded this week to George K. Bienkowski '59, Course XVI who will pursue doctoral study in aeronautical engineering here next year.

Bienkowski is the fourth winner of H. Spencer Fellowship, named for the former chief engineer of the Federal Interstate Commerce Commission and national president of Tau Beta Pi.

Fellowships are awarded by the engineering honor society in a national competition based on high scholarship, leadership and service, and promise of future development in engineering.

The Spencer stipend recognizes the winner who has done most to advance his own chapter of Tau Beta Pi and has contributed most to his own college.



"The U. N. at MIT" is represented as the theme of the International Dance Show in Kresge which closed MIT's International Week last Sunday. The week of activities was given by foreign students at MIT in appreciation of the hospitality shown them here.

President Stratton Speaks On Institute's Development

Dr. Julius Stratton, MIT's president, spoke to over 300 students on Tuesday about MIT. The informal talk in Kresge was the idea of a group of student leaders who submitted topic suggestions to the President a few months ago. Several days before Tuesday's talk, Stratton was quoted as saying, "I will not give definite answers to all of the questions, but I will present my personal views to the students."

Starting with the statement that "MIT is currently in a period of unprecedented growth . . . and we are caught up in the great stream of activity about us," Dr. Stratton went on with a look at MIT's past, and its foundations in particular. Noting that Tech was founded with the idea of providing an "education geared to the country's needs," President Stratton outlined the Institute's development paralleled with the development of the country as a whole.

Dr. Stratton received a standing ovation after the talk which ended with the advice: "Think about your future. If you choose your courses wisely, you will leave better prepared than those who went to the more enjoyable college. I think you've got something you'll never regret."

Pointing out that today's world environment has been changed by a tremendous order of magnitude, Stratton listed three problems which he felt are of great importance to our own society: there has been a great acceleration in the fields of science and technology, as well as an evident convergence of the sciences at their basic level; the increasing importance of science and engineering is no longer confined to the laboratory, but now concerns such areas as labor, management, government, and international affairs.

Stratton Gives Personal Views

The third problem which Stratton mentioned was one which represented his personal view. He feels that "there is a great likelihood of change in the coming 25 years in the forces that shape our national economy. Life will not keep getting easier." He felt that the increasing peoples striving to obtain a better life would have consequences for the United States which must be taken seriously.

Defining the scope of the Institute, Dr. Stratton pointed out that we should reach a balance—MIT must have a concern in ALL areas where the impact of science and technology is most greatly felt.

Spring Social Events Many

A Western Theme For IFC Weekend

IFC Week-end, to feature for the first time a Western theme, will begin Friday night, May 8, with a formal dance at the Statler Hilton Hotel. The Glen Miller Orchestra will provide music for the event.

Saturday at noon, a float parade will begin, going across Harvard Bridge in the same manner as last year. Also on the afternoon's schedule are county fair games, including a chuck wagon race, potato sack race, and bicycle race.

Afternoon cocktail parties at Chi Phi, Dover and Phi Kappa; evening open-bid parties at DKE and Theta Delta Chi; and a Sunday afternoon jazz concert at DKE will complete the week-end's activities.

Busy Weekend Is Inexpensive Also

Open bid parties thrown by Sigma Epsilon Chi, senior class drinking honorary, and Kappa Sigma, along with an MIT Symphony Orchestra Concert will provide inexpensive entertainment tomorrow night.

SEX Club's Playboy Party will begin at 8 p.m. at the Phi Gam house. Dress will be informal and liquid refreshments will sell at two for fifty cents.

Kappa Sig's Speakeasy Party will also begin at 8 p.m. and will furnish varied entertainment. There will be gambling of all forms, dancing, a band, and bountiful refreshments. Guests are encouraged to bring dates and dress in 1920 style.

The MIT Symphony Orchestra John Corley conductor, will feature the First Piano Concerto of Beethoven as the symphony gives its final performance of the year tomorrow night at 8:30 p.m. in Kresge.

Mort Archer, well known for his work in Tech Show, will be the piano soloist. Included on the program are the Coriolanus Overture by Beethoven and Scheherazade, music of A Thousand and One Nights by Rimsky-korsakov. Admission to the concert is free.

Frosh Dance Will Have Two Bands

With decorations in night club style, the freshman semi-formal dance will get underway tomorrow evening at 8 p.m. in the Sheraton Plaza Hotel. Between 150 and 200 couples are expected to attend the affair as indicated by ticket sales through Wednesday.

In connection with the dance, a cocktail party will be held for all freshmen who have tickets to the dance at the Phi Gamma Delta house from 4 p.m. till 6 p.m. tomorrow evening.

Tickets will be sold at the door during the evening, however, they may be obtained earlier from any one of the newly elected freshmen section leaders or in the lobby of building ten today.

Request Changes For Social Beaver

SOCIAL BEAVER DEADLINE

TCA is completing revision for the Social Beaver, which is sent yearly to all incoming students. One of the principal sections of the BEAVER is devoted to articles on campus activities. These groups are requested to review their articles and submit changes by 1 May. Copies of last year's issue are available in TCA office.

National Officer Gives Keynote To 90 NSA Regional Delegates



Discussing the activities with New England Region delegates at last weekend's conference is Reggie Green, NSA Educational Affairs Vice-President (center, with glasses). Reggie delivered the keynote address to over 90 students who participated in the conference

New England's Boy Scouts Will Tour MIT During Open House

Approximately 2000 Boy Scouts from all over New England will move onto the MIT campus next Saturday for a series of talks and departmental demonstrations in the morning and tours of the Institute in the house.

This program, aimed at interesting boys in science and engineering, is being sponsored by Alpha Phi Omega and is being held for the first time this year.

Opening exercises will be held in Kresge Auditorium in two shifts to accommodate the large number of scouts expected. One group will meet in the auditorium at 9 a.m. and the other will meet at 10 a.m. as the first goes out for a look at MIT from the outside; the buildings, dorms, nuclear reactor, recreational facilities, etc.

At 11 a.m. the scouts will split up into special interest groups which will witness talks and demonstrations by members of various depart-

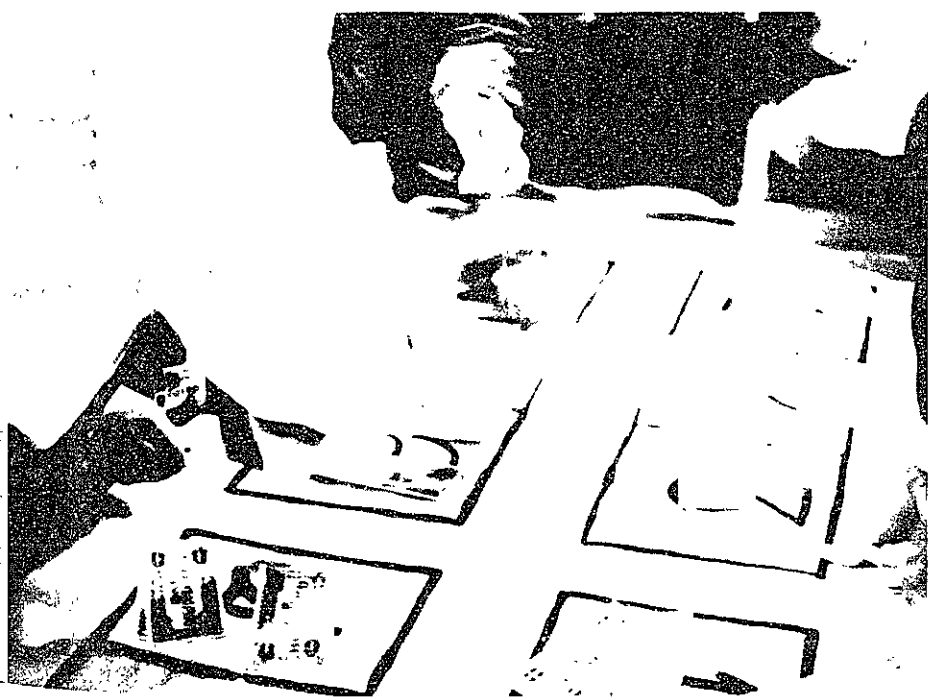
ments, including Aeronautical, Electrical, Mechanical and Chemical Engineering; Physics; Chemistry; Biology; Military Science and Social Science.

Mr. Eugene Chamberlain of the Admissions Office will be on hand to talk to boys interested in attending any college next fall.

A noon lunch is scheduled on the athletic field with milk and ice cream supplied by APO. The afternoon tours will be under the guidance of APO members and members of the Order of the Arrow, the scouting honorary service group.

Invitations were sent out to scout units throughout the New England area, representing about 12,000 boy scouts. The response has been much larger than was expected and a number of requests for attendance have had to be turned down due to the lack of personnel and facilities. APO plans to continue this program in future years if this year's is successful.

Gambling Carries the Day



A feminine visitor looks in awe upon the wonders which MIT students wrought at the Alpha Phi Omega Carnival while the male of the species test their skill at Baker House's prize winning booth.



The Tech

VOL. LXXIX

MARCH 24, 1959

NO. 13

Entered as second class matter at the post office at Boston, Massachusetts. Published every Tuesday and Friday during the college year, except college vacations, by THE TECH—Walker Memorial, Cambridge 39, Mass. Telephone TRowbridge 6-5855-6 or UNiversity 4-6900, Ext. 2731. Twenty-four hour answering service: TR 6-5855.

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A Warm Feeling

We left Kresge Auditorium last Tuesday night with a very warm feeling for the Institute and for its President. We feel that Dr. Stratton's speech to the students was an eminently successful event, and feel certain that it will be the first of a long series. The enthusiastic standing ovation which the President received showed we are not alone in our views.

We were, however, extremely disappointed in the student interest in the speech. Less than 300 people or only one out of every ten undergraduates had enough interest in the kind of education which they are receiving to spend less than an hour listening to the most important voice at MIT.

Dr. Stratton spent a good deal of time delving into the past history and motives behind the MIT education. We feel that this was a fascinating and even timely part of his talk, although it prevented him from going into some of the current problems which would probably have been of the greatest general interest and worth.

We hope that next fall, speaking in the same line, the President will briefly sum up the points and background covered Tuesday—and then delve into many topics which he had hoped to cover this week.

We feel sure that the next Stratton speech will attract more interest than the first. If it does not, there is something vitally wrong with the Undergraduate body.

review

Bach's B-minor Mass

Klaus Liepmann has directed enough performances of professional quality at MIT that it becomes increasingly hard to say anything original about him. Having heard the B-Minor Mass last Friday, we must repeat that the chorus was clear, coordinated, and strong. Their precision has improved even since *The Fairy Queen* last month. It was a pleasure to hear almost every word through the massive intricacies of this three-hour work.

As a group the soloists did not match up to the chorus. Catherine Rowe, soprano, and Eunice Alberts, alto, seemed drawn up into themselves, unable to project their arias even with the famous Kresge Auditorium acoustics. Each improved as the evening went on, however, especially Miss Alberts, whose aria in the third section (Agnus Dei, qui tollis peccata mundi, miserere nobis . . .) was one of the purest. We heard very little from the tenor, Donald Sullivan, and his single aria was heavy and self-conscious.

Paul Matthen was the single great exception. His voice is exceptionally strong, completely equal to the music; but more important, it is expressive, here as in *The Fairy Queen* accomplishing a major feat in making his part a dramatic individuality.

The instrumental section was excellent. We must briefly mention Roger Voisin and his superb *tremolo* in the *Osana in excelsis*; then Daniel Pinkham, the harpsichordist. He was most memorable in the bass aria in the Nicene Creed, primarily because there, as the dominant instrument, he was free in his own peculiarly stylized realm.

Herbert Odom

letters

Independence or Money?

To the Editor of *The Tech*:

Mr. Samuels' editorial of April 14 refers, I feel, to only a small detail of a great issue presently confronting the universities of our country.

Criticism of governmental meddling in the affairs of private educational institutions is certainly warranted, and

I agree that no governmental body should be able to control the Admissions (or any other) Department of MIT or any other private university.

The loyalty oath rider in the National Defense Education Act is a prime example of the forces our federal government brings into play wherever federal funds are dissipated. The acceptance of federal aid by private educational institutions is putting them in extreme danger of losing their sovereignty to the bureaucratic agencies which are always set up to disperse federal funds. Such agencies are generally accompanied by extreme inefficiency, lobbying, and the ugliness of graft.

I know that MIT and other private colleges do not want to submit to governmental control or to any inefficient, "boondoggling" bureaucrats. I therefore hope that our universities will make the slight sacrifice of refusing federal aid in order to retain their independence.

Philip E. Beach, Jr. '59

red scare

To the Editor:

In the last issue of *The Tech*, Mr. Philip E. Beach, in an editorial entitled *On The Red Front*, insinuated that the group of students who handed out a paper opposing the methods of Dr. Frederick Schwarz were "soft" on the Soviet Union. Since this accusation is a serious one, we wish to defend our position. We are definitely and irrevocably anti-Communist, as anyone who read the letter can testify. We did not say, as Phillip Beach stated, that "Russia is neither truly Communist nor bent on world domination." We said, in our paper, "That the Russian leaders have no interest in a military war; they want to fight an economic and propaganda war." If Mr. Beach listend to Dr. Schwarz, he would have heard him say exactly the same thing. However, we oppose the methods of Dr. Schwarz. By falsifying his figures, he tried to "Red Scare" the MIT community. We were opposed to Dr. Schwarz's statements, in the leaflets he handed out concurrently, that "It (Communism) is totally immoral, and mental and emotional barriers against it should be erected in the minds of the young." We were opposed to Dr. Schwarz's statements to the effect that the U.S. should support such "friendly" dictatorships such as the ex-Iraq one. We are opposed to the movies implication that a holy war, meaning the slaughter of hundreds of millions, should be the best means of fighting Communism.

Our "ridiculous position," as Mr. Beach called it, was stated in our paper as follows: We have a faith in democracy that allows us to believe people can be taught about Communism without "emotional barriers." We want to be free from a hysterical fear of Communism. We don't believe America needs a dictatorship to oppose Communism. We believe "Russian Communism can be stopped by having democracy, by supporting it everywhere it exists, by living it in America." We hope that Mr. Beach now realizes that one can be opposed to both Communism and the Fascist-inclined methods of scare, brainwashing, and suppression at the same time. In any case, he should be more careful in his insinuations.

Gershon Horowitz '62

in defense of the letter signed by:

Pete Camejo '62
Barry Sheppard '60
Gershon Horowitz '62
Dave Vilkomerson '62
Ken Seymour '60
George Lerner '60
Archie Thomas '62

about The Crucible

Although I fully agree with your respected reviewer's praise of the current production of *The Crucible* and his statement that "it is a play with a message," I feel that the reading which he gives is a rather limited one that does not do full justice to Arthur Miller's subtle artistic talent. Certainly "the everlasting fight between men with faith in God and men with faith in the church" is one aspect of the central idea, but in a larger context *The Crucible* casts doubt upon the whole idea of moral progress in human society. We who are so shocked and embarrassed by the grossly primitive nature of the Salem witch trials and the obvious short-sightedness of the judges and clergy involved were recently taken in by a certain Senator from Wisconsin, who, like Judge Hathorne of old, made wholesale accusations on the basis of shoestring "evidence." Communists rather than witches were the target this time, but the frenzied desire on the part of the general public to rid themselves of the insidious Communist menace bore a striking resemblance to the earlier situation.

Pointing out this parallel certainly does not represent any original work on my part, but I think it is well worth considering as being relevant to the "message" of this skillfully written play.

Robert Sprich

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Obituary

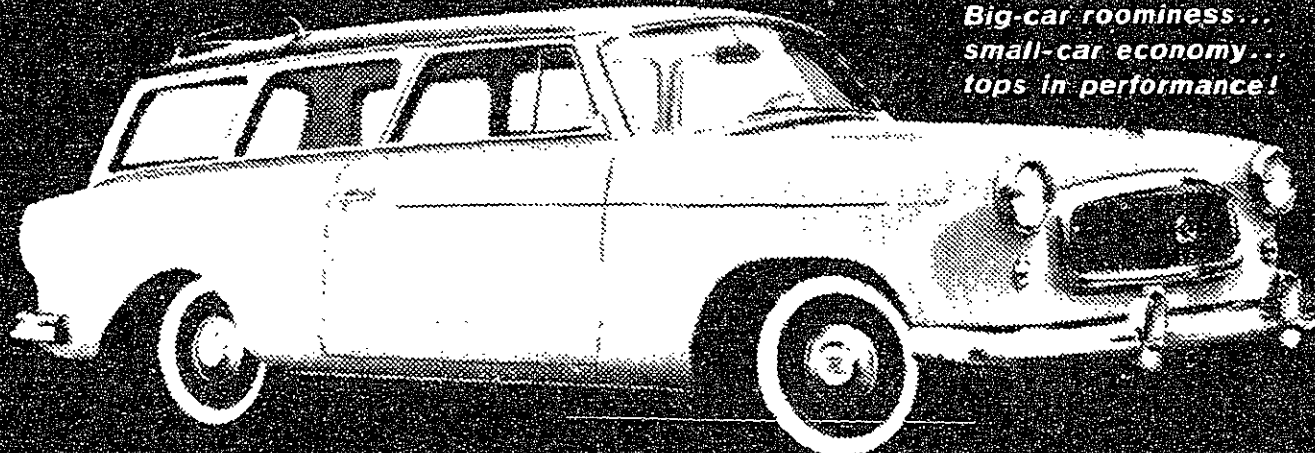
The Institute's flags flew at half-mast yesterday for George Owen, Professor Emeritus of Naval Architecture and a yacht designer, who died in his Newton Center home April 21, at the age of 87.

Among his survivors is a son, George, baseball and football coach at Milton Academy.



COLLEGE PUZZLE CONTEST

FOR STUDENTS AND FACULTY MEMBERS

2 GRAND PRIZES

Rambler "American"!
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ENTER OFTEN—HAVE FUN—AND WIN! But think carefully! This puzzle is not as easy as it looks. At first the DOWN and ACROSS clues may appear simple. There may appear to be more than one "right" answer. For example, the clue might read: "Many a coed will be given her best date's P-N." Either "I" (PIN) or "E" (PEN) would seem to fit. But only one answer is apt and logical as decided by the judging staff, and therefore correct. Read the rules carefully. ENTER AS OFTEN AS YOU WISH. Good luck!

RULES—PLEASE READ CAREFULLY

1. The College Puzzle Contest is open to college students and college faculty members except employees and their immediate families of Liggett & Myers and its advertising agencies.

2. Fill in all missing letters . . . print clearly. Use of obsolete, archaic, variant or foreign words prohibited. After you have completed the puzzle, send it along with six empty package wrappers of the same brand from L&M, Chesterfield or Oasis cigarettes (or one reasonable hand-drawn facsimile of a complete package wrapper of any one of the three brands) to: Liggett & Myers, P. O. Box 271, New York 46, N. Y. Enter as often as you wish, but be sure to enclose six package wrappers (or a facsimile) with each entry. Illegible entries will not be considered.

3. Entries must be postmarked by midnight, Friday, May 29, 1959 and received by midnight, Friday, June 5, 1959.

4. Entries will be judged by the Bruce-Richards Corporation, an independent judging organization, on the basis of logic and aptness of thought of solutions. In the event of ties, contestants will be required to complete in 25 words or less the following statement: "My favorite cigarette is (Chesterfield) (L&M) or (Oasis) because . . .". Entries will be judged on originality, aptness of thought and interest by the Bruce-Richards Corporation. Duplicate prizes will be awarded in event of final ties. Illegible entries will not be considered. By entering all entrants agree that the decision of the judges shall be final and binding.

5. Solutions must be the original work of the contestants submitting them. All entries become the property of Liggett & Myers and none will be returned.

6. Winners will be notified by mail as soon as possible after completion of the contest.

7. This contest is subject to all Federal, State and local laws and regulations.

HURRY! ENTER NOW! CONTEST CLOSES MAY 29, 1959**CLUES ACROSS:**

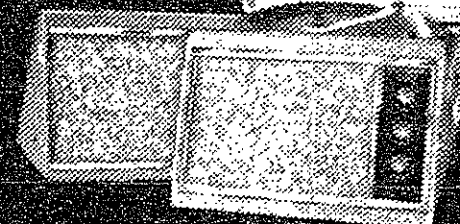
- These may indicate that a nation is prepared to wage war in the air.
- Some college students.
- When at, Light up an Oasis.
- Sinking ship deserter.
- Plural pronoun.
- One expects discussions in a sociology class.
- A student's careless might annoy a short-story instructor.
- Initials of Uruguay and Denmark.
- Germanium (Chem.)
- Nova Scotia (Abbr.)
- It probably would count when you pick a horse to bet on.
- Sometimes a girl on a date must into her pocketbook to help pay the tab.
- The muscle-builder's may fascinate a poorly developed man.
- Chemical Engineer (Abbr.)
- Campers will probably be by a forest fire.
- When starting a trip, tourists usually look forward to the first
- At home.
- Literate in Arts (Abbr.)
- Familiar for faculty member.
- Associate in Arts (Abbr.)
- One could appear quite harmless at times.
- Reverse the first part of "L&M".
- What will soon appear in a bombed-out city.

CLUES DOWN:

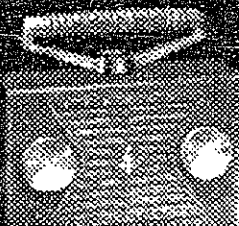
- The beginning and end of pleasure.
- A rural can be inviting to a vacationist.
- Second and third letters of OASIS.
- When one is packed, it could be exasperating to remember a few articles that should be included.
- It would pay to be careful when glass is
- Grounds to relax on with a mild CHESTERFIELD.
- Author Ambler.
- District Attorney (Abbr.)
- A from Paris should please the average woman.
- An inveterate traveler will about distant lands.
- are hard to study.
- Stone, Bronze and Iron
- How Mexicans say, "Yes".
- All L&M cigarettes are high in smoking pleasure.
- May be a decisive factor in winning a horse race.
- Initials of Oglethorpe, Iona, Rutgers and Emerson.
- United Nations Organization (Abbr.)
- Golf mound.
- Colloquial for place where the finest tobaccos are tested for L&M.
- Poet Laureate (Abbr.)
- Filter ends.
- What Abner might be called.
- Bachelor of Education degree.

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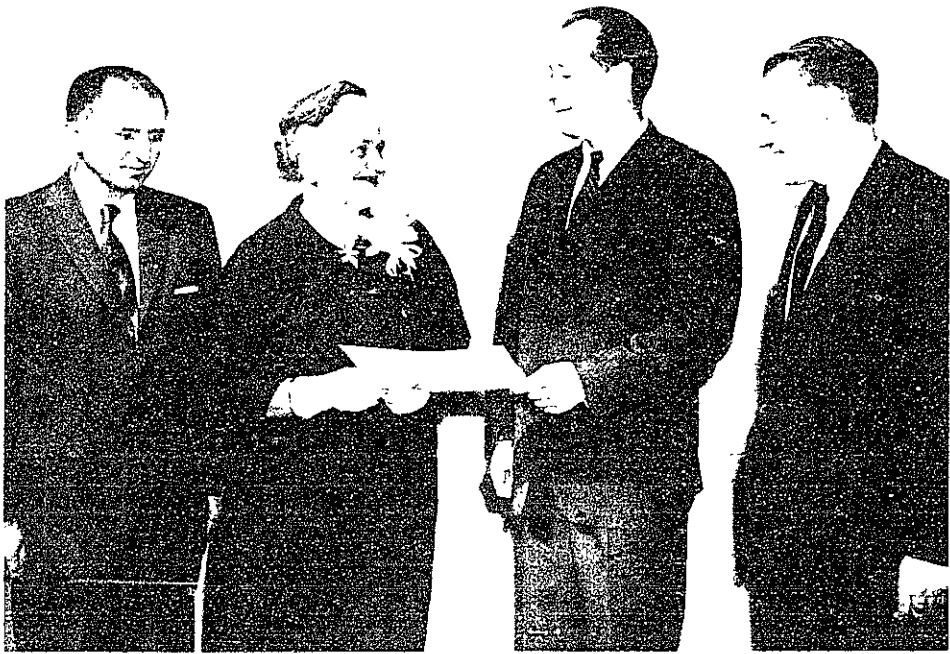
College _____

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Answers Apparently Found About the Crystals Formed in Bone and Teeth

By Dave Nickles '62



Dr. Glimcher (second from right) is shown receiving the Kappa Delta Award "for the best research and the most outstanding contribution to the field of orthopedic surgery and related basic sciences from 1956 to 1959." Mrs. Roy Reser, president of the national sorority presents the award as Dr. H.R. McCarroll (left) and Prof. Robert Robinson (right) President of the A.A.O.S. and Chairman of the A.A.O.S. Scientific Advisory Committee, respectively, look on

Why do crystals form in bone, cartilage, and teeth, and why not in other tissues which have the same basic fibrous structure?

Dr. Melvin J. Glimcher, biophysicist, orthopedic surgeon, and now a Fellow in the School for Advanced Studies at MIT, has apparently found some of the answers to these questions. Under the direction of Dr. Francis O. Schmitt, MIT's authority on collagen, Dr. Glimcher conducted experiments on the molecular mechanisms of biological crystallization in vitro by utilizing polymers of naturally occurring protein macromolecules.

In Dr. Schmitt's unit on the fifth floor of Building 16, Dr. Glimcher

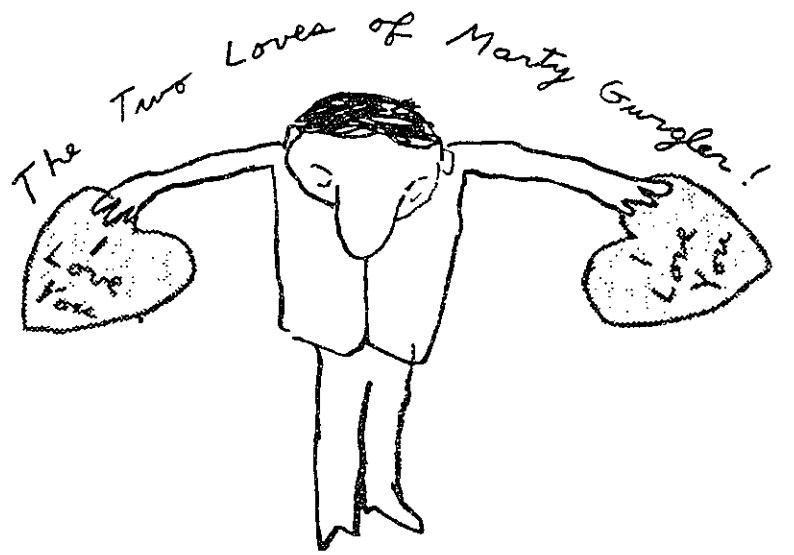
studied calcification as it occurs in bones and teeth using reconstituted collagen macromolecular threads: the threads made from the naturally occurring collagen macromolecules extracted from soft tissue, such as skin, tendon, and ligament.

These threads or fibrils were identical to those seen in living tissues, both hard and soft. While nature makes only one kind of thread, laboratory experiments have produced five or six different kinds of fibrils by polymerizing the macromolecules in different ways. However, only one form was calcified by the deposition of inorganic crystals, and that form was the reconstituted type found in nature. This calcification was dependent upon a particular aggregation state of the macromolecules.

Another basic question was why tissues other than bones and teeth, containing the same basic fibrous structure, did not mineralize. "Since the collagen in all connective tissue skin, ligament, bone) is apparently the same," Dr. Glimcher explained, "the hypothesis which the investigators at MIT propose is that there are other substances in the tissue which normally prevent it. The mucopolysaccharides may be one of these substances." Further experimentation has tended to confirm this theory. He is now trying to isolate the materials which act as inhibitors.

Tissue such as skin, for instance, does not calcify in life or in test tubes. Yet, Dr. Glimcher found that when collagen is dissolved, purified, and the threads reconstituted, the threads can be made to calcify. From the opposite direction, experiments have kept the collagen intact, but extracted all other material around

(Continued on page 5)



The problem was not that Marty had fallen in love with a shirt. After all, he was a Philosophy major.

The trouble was... Marty was in love with two shirts.

With Shirt No. 1, the Van Heusen Century, the serious Marty spent hours in heavenly bliss. He worshipped the revolutionary soft collar that won't wrinkle ever. It was Century's one-piece construction that drove him wild. (Other collars never did anything for our boy Marty, except wrinkle madly. You see, other collars are three pieces, fused or sewn together.)

With Shirt No. 2, the amazing Van Heusen "Vantage," the gay, frivolous Marty lived the life of carefree abandon. He

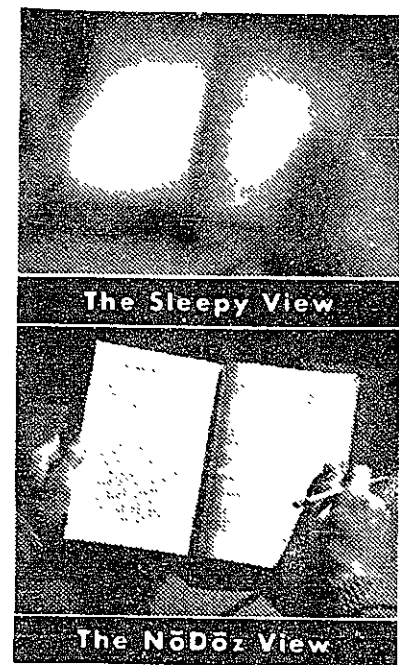
could wear it and wear it—wash it—drip-dry it, or have it tumble-dried automatically—and wear it again in a matter of hours. It was the most money-saving love he ever had.

But when Marty was with one shirt, he missed the other. It was terrible. Like so many others with the same problem, Marty wrote to us. And so it came to pass that the Van Heusen "Century-Vantage" was born. This shirt combined the advantages of each into one great shirt—a wash and wear, no-iron, all cotton broadcloth shirt with the soft collar that won't wrinkle ever! And just \$5! Have you a problem? Write Phillips-Van Heusen Corp., 417 Fifth Avenue, New York 16, New York.

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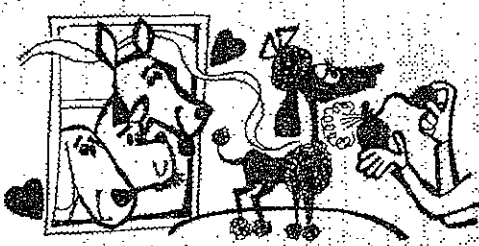
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THINKLISH

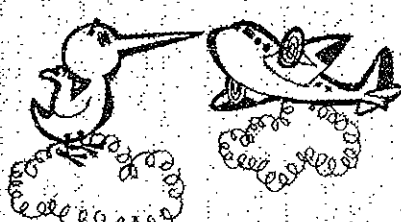
English: CANINE COLOGNE



Thinklish: CURFUME

NANCY ANN LYON, INDIANA STATE TEACHERS

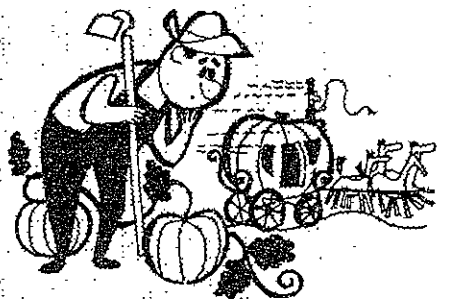
English: FLYING HITCHHIKER



Thinklish: THUMBINGBIRD

TOMMY DERCOLA, MARYLAND U.

English: FAT VEGETABLE



Thinklish: PLUMPKIN

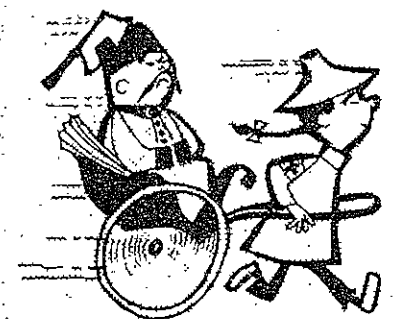
DAVID HAMMETT, U OF NEW MEXICO

English: HIP SINGING GROUP



Thinklish translation: These guys are so far out, they wear space helmets. They never ask, "How High the Moon?" They know. When there were seven of them, they were a heptet. But since they've added a man, simple arithmetic makes them a rocket! Naturally, when they take ten, they take Luckies. Like anyone else (square, round or what-have-you), they know all about the honest taste of fine tobacco. Consensus: flipsville!

English: ORIENTAL AMBULANCE



Thinklish: SICKSHAW

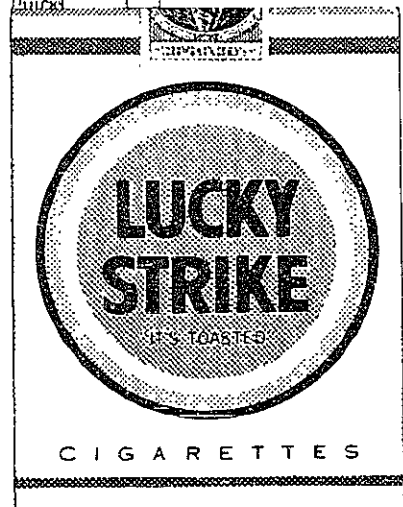
RICHARD HARRISON, THE CITADEL

HOW TO MAKE \$25

Take a word—garbage, for example. With it, you can make the contents of an auto junk yard (carbage), Hollywood refuse (starbage), incinerator dust (charbage) or glass-factory rejects (jarbage). That's Thinklish—and it's that easy! We're paying \$25 for the Thinklish words judged best—your check is itching to go! Send your words to Lucky Strike, Box 67A, Mt. Vernon, N.Y. Enclose your name, address, university and class.

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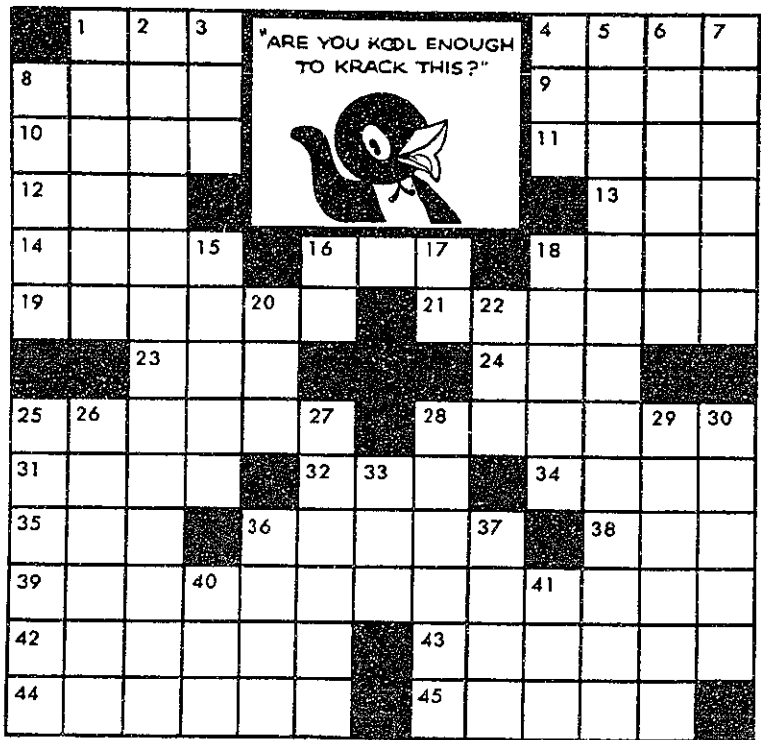
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KOOL KROSSWORD

No. 23

- ACROSS**
 - Blow taken by scapegoats
 - Goes AWOL
 - Enraptured
 - Combo
 - Khan and others
 - She's a mixed-up dean
 - Isn't it time you a Kool?
 - For the discriminating beer drinker
 - An almost famous fellow
 - The time there will be in the old town tonight
 - Mysterious non-Ava Gardner
 - Hand a line
 - Performed an elbow operation
 - New Haven-ite
 - Kind word for a prof
 - Break to follow up with a Kool
 - In _____ by oneself
 - Irish expletive (var.)
 - Which was to be demonstrated (l. abbr.)
 - Little Edith
 - How Miami got started
 - 2 doz. sheets of paper
 - French one (fern.)
 - Famous novel about Willie's kinfolk
 - Take it off
 - Que _____ vous?
 - Your one and only. Easy now!
 - Vegetable that sounds like an omph-maker
- DOWN**
 - Cuba has a new _____
 - Author of 39 Across
 - Small units of whiskey (abbr.)
 - It has a tip, but no filter
 - Your no-degree days
 - What icy fingers make you do
 - Put on an act
 - The green stuff
 - Wonder drug
 - She's companion
 - Small town
 - Roman official who's mostly idle (var.)
 - What you must never say
 - California university
 - You may be here now
 - It's no Occident
 - This should make things even
 - Alone, no place to go
 - Why can't you behave?
 - Plant 'em now, dig 'em later
 - One German
 - Square at some colleges
 - He just wanted pottage
 - Portuguese India
 - Kind of Arts (abbr.)



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(Continued from page 4)
it, and the collagen fibrils calcified as part of the tissue. This evidence seems to substantiate his theory.
Currently Dr. Glimcher's work is aimed at determining the nature of the specific amino and mineral ions. The nature of the crystals nucleated by the biological material has been established by electron microscopy and X-ray diffraction studies. This research was carried on with the collaboration of Dr. Schmitt and Dr. Alan J. Hodge, executive officer in the unit.
The third basic problem was why crystallization occurs in certain path-

ological conditions, such as arthritis and atherosclerosis. Mineral ions, occurring in body fluids, circulate throughout the body, but normally crystallize only in bones and teeth. In pathological conditions, these deposits calcify normally soft tissues. "May I emphasize the importance of the ground structure in regulating and possibly inhibiting the process of mineralization in tissue where mineralization normally does not occur," asserted Dr. Glimcher.

At the annual meeting of the American Academy of Orthopedic Surgeons last January, Dr. Glimcher received the Kappa Delta Award and a citation "for the best research and the most outstanding contribution to the field of orthopedic surgery and related basic sciences from 1956 to 1959." This award carried a cash prize of \$1,000. The Scientific Advisory Committee of the A.A.O.S. recommended Dr. Glimcher for the award which was presented by Kappa Delta, a national sorority interested in medical research.

Grants for the research on the mechanisms of tissue control of mineralization have come from the National Institute of Health, the Orthopedic Research and Education Foundation, the Easter Seal Research Foundation, the National Society for Crippled Children and Adults, the Medical Foundation of Boston, the Liberty Mutual Insurance Company, and the John A. Hartford Foundation of New York.

In addition to his work at MIT, Dr. Glimcher maintains a laboratory at the Massachusetts General Hospital, where he was recently appointed director of the Orthopedic Research Laboratories now under construction. These laboratories will maintain a close relation with MIT and the Harvard Medical School.

Following his military service in the U. S. Marine Corps, Dr. Glimcher received a Mechanical Engineering degree from Purdue in February of 1946, and a B.S. in Physics in June of the same year. In 1950, he was awarded an M.D. from the Harvard Medical School. After six years of internship and residency training in orthopedic surgery at the Mass. General and the Children's Medical Center, he came to MIT as a Fellow in the School for Advanced Studies.

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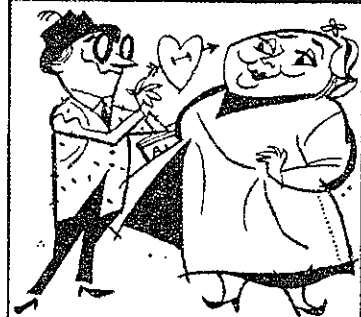
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WHO SAID IT FIRST?

A column of incidental intelligence
by **Jockey® brand**



"LOVE IS BLIND"

Next to the Bible, Shakespeare is the richest source of common quotes. He's responsible for this one, too. See his "Merchant of Venice," Act II, Scene 6:
"But love is blind, and lovers cannot see
The petty follies that themselves commit."

"THIRTY DAYS HATH SEPTEMBER," ETC.

No need to recite further from this bit of doggerel which has served us all as a pony ever since grade school. For this universal handy reference we are indebted to a man named Richard Grafton who was nice enough to compose the rhyme way back in 1570.

SEPT. 1

AUG. 1317



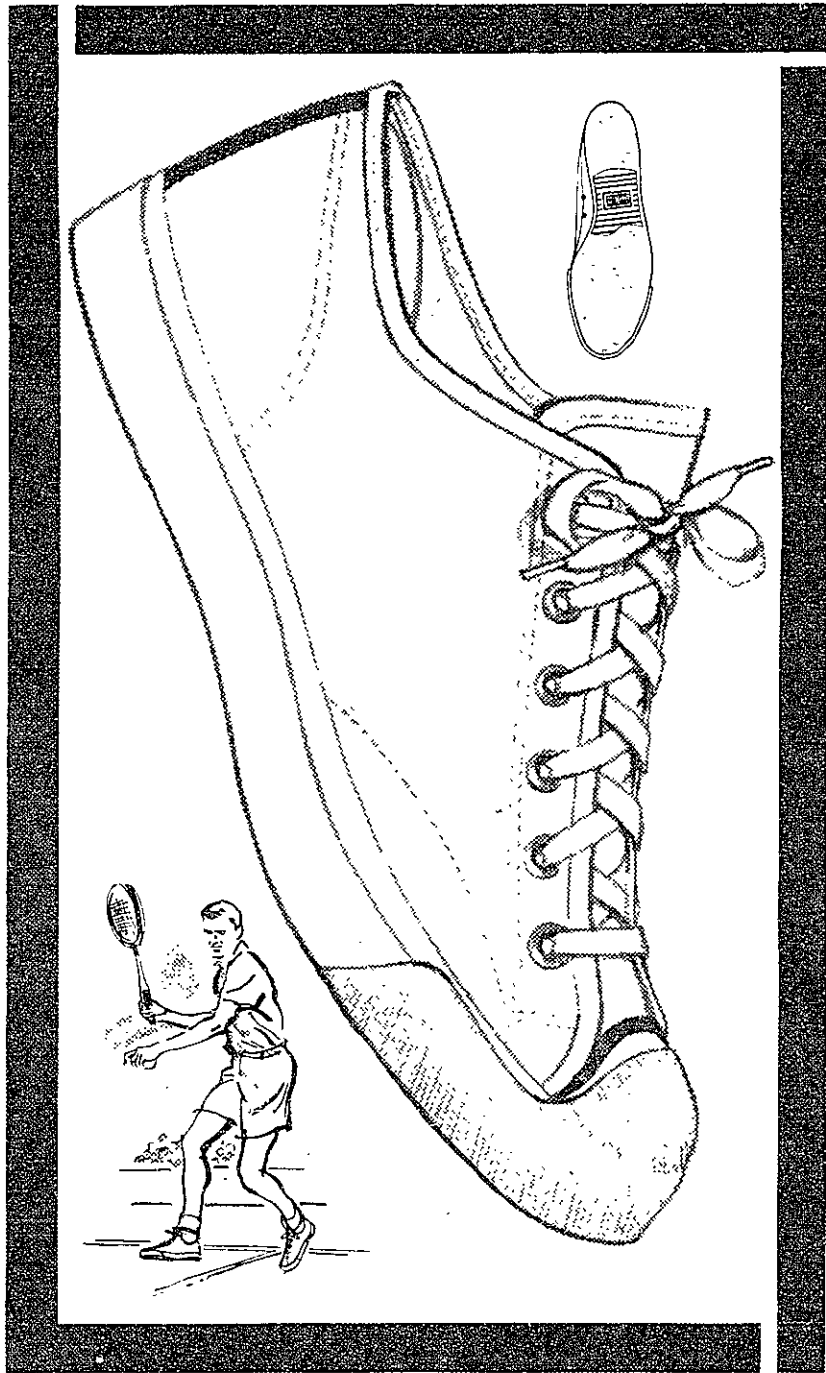
"PUT IT IN YOUR PIPE"

No, Sir Walter Raleigh didn't originate this smoker's challenge. It was R. H. Barham, in "The Lay of St. Odille":
"For this you've my word,
and I never yet broke it,
So put that in your pipe,
My Lord Otto, and smoke it."

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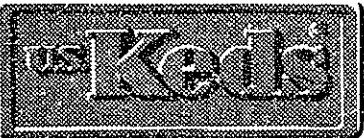


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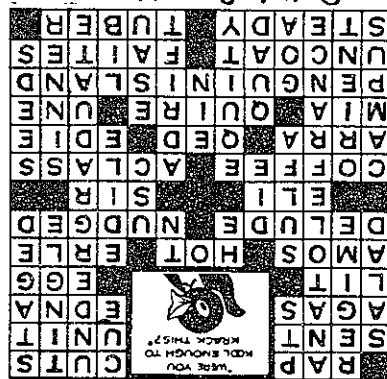
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J. CAESAR, Italian politician, says: "All the boys in Rome use Wildroot on their dome! How about you?"



IM Softball Enters Third Week Baker House Springs Triple Play

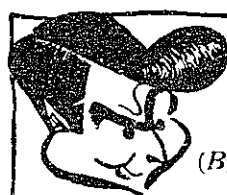
In what might turn out to be the greatest single play of the IM season, Baker House B scooped up a hot line drive into the hole near second base and turned it into a triple play. Ken Lembach '61, at shortstop, caught the ball at shoe top level, stepped on second and threw to Ed Weiss '60 at first to end an inning that had started with Sigma Alpha Mu loading the bases.

The league action this weekend featured the extremes in scoring. The close, low tally games included Baker B, who held off Sigma Alpha Mu 7-3. TEP fought to gain a narrow victory over Phi Gamma Delta 4-3. Graduate House Dining Staff did their best to control Lambda Chi Alpha on the diamond but lost the heart-breaker 4-1. League VIII saw the closest competition as Delta Tau

Delta outplayed a spunky Phi Kappa Sigma team 2-1, and East Campus came back to drop the Sky Gazers 5-3.

A general survey of the eight leagues shows that few teams are undefeated. Several of the favorites have bungled their scheduled games, receiving stiff competition from some teams not previously considered capable of offering much resistance. At this point the TEP's are out ahead in League II, as Grad A and Lambda Chi Alpha battle it out in League V.

No race is decided yet as twelve games have been rained out and must be replayed. It is hoped that this will be completed before IFC weekend, as following the weekend the league winners will participate in a double elimination tournament.



On Campus with
Max Shulman

(By the Author of "Rally Round the Flag, Boys!" and
"Barefoot Boy with Cheek.")

THE CARE AND FEEDING OF ROOM-MATES

Room-mates are not only heaps of fun, but they are also very educational, for the proper study of mankind is man, and there is no better way to learn the dreams and drives of another man than to share a room with him.

This being the case, it is wise not to keep the same room-mate too long, because the more room-mates you have, the more you will know about the dreams and drives of your fellow man. So try to change room-mates as often as you can. A recent study made by Sigafos of Princeton shows that the best interval for changing room-mates is every four hours.

How do you choose a room-mate? Most counselors agree that the most important thing to look for in room-mates is that they be people of regular habits. This, I say, is arrant nonsense. What if one of their regular habits happens to be beating a Chinese gong from midnight to dawn? Or growing cultures in your tooth glass? Or reciting the Articles of War?



Regular habits, my foot! The most important quality in a room-mate is that he should be exactly your size. Otherwise you will have to have his clothes altered to fit you, which can be a considerable nuisance. In fact, it is sometimes flatly impossible. I recollect one time I roomed with a man named Osage Tremblatt who was just under seven feet tall and weighed nearly four hundred pounds. There wasn't a blessed thing I could use in his entire wardrobe—until one night when I was invited to a masquerade party. I cut one leg off a pair of Tremblatt's trousers, jumped into it, sewed up both ends, and went to the party as a bolster. I took second prize. First prize went to a girl named Antenna Radnitz who poured molasses over her head and went as a candied apple.

But I digress. Let us turn back to the qualities that make desirable room-mates. Not the least of these is the cigarettes they smoke. When we burn cigarettes, do we want them to be shoddy and nondescript? Certainly not! We want them to be distinguished, gently reared, zestful and zingy. And what cigarette is distinguished, gently reared, zestful and zingy? Why, Philip Morris, of course! Any further questions?

To go on. In selecting a room-mate, find someone who will wear well, whom you'd like to keep as a permanent friend. Many of history's great friendships first started in college. Are you aware, for example, of the remarkable fact that Johnson and Boswell were room-mates at Oxford in 1712? What makes this fact so remarkable is that in 1712 Johnson was only three years old and Boswell had not yet been born. But, of course, children matured earlier in those days. Take Mozart, who wrote his first symphony at four. Or Titian, who painted his first masterpiece at five. Or Hanso Felbgung, who was in many ways the most remarkable of all; he was appointed chief of the Copenhagen police department at the age of six!

It must be admitted, however, that he did badly. Criminals roamed the city, robbing and looting at will. They knew little Hanso would never pursue them—he was not allowed to cross the street.

© 1959 Max Shulman

If you are allowed to cross the street, hie yourself to a tobacconist and stock up on Philip Morris, outstanding among non-filter cigarettes, or Marlboro, the filter cigarette with better "makin's." Pick your pleasure.

Light Crews Bow to Cornell, Harvard; All Oarsmen Will See Action Tomorrow

The 1959 crew season opened on a rather dismal note last Saturday as Engineer varsity, junior varsity, and freshman lightweight crews bowed to Cornell and Harvard in a triangular regatta on the Charles River.

In the varsity race, Harvard took an early lead and was never headed over the 1 5-16 mile course. The Beaver shell led the Cornell eight under Harvard Bridge, but the Big Red passed the Tech boat and went on to finish ten seconds behind the Crimson's time of 7:29.7.

The JV race was certainly the most exciting of the day for several hundred spectators who lined the banks of the river near the boathouse to witness the events. After trailing in the second spot for most of the distance, Harvard closed fast and edged Cornell at the finish line by the prow of the shell. The winning time was 7:22.0, which was the fastest of the day for the course. MIT finished with a clocking of 7:52, their worst time of the year. It is significant to note, perhaps, that the Tech boat was five

minutes late getting into the water and may not have had enough warm-up time before the race.

Cornell came in the last half-mile to claim honors in the freshman race. Harvard finished one second off the 7:45.0; the Engineers stroked to a 8:01.0 clocking. The Beavers led by one-fourth length after 20 strokes but could not hold the margin under the Cornell bid.

MIT did manage to finish second in one race, trailing Harvard in the third varsity tilt. Brown, an added starter, placed third, The Beaver second freshman crew, however, lost in a dual race to Harvard.

Last Saturday's Boatings: MIT Lightweight

Varsity
8 Jeffries
7 Fleischer
6 Moran
5 Platte
4 Allen
3 Parkoff
2 Blanchard
1 Arens
Cox. Olshaker

JV

Dill
Cheever
Uhlir
Ash
Zacher
Suhbier
Blosse
Stefansky
Dorfman

HEAVIES HOPEFUL

Tomorrow both Beaver heavyweight

and lightweight crews will be rowing, the heavies meeting Harvard, Syracuse and BU in their season opener while the lights travel to Annapolis, Md., to race Harvard and Navy.

The quadrangular race on the Charles should be an important test for the heavies, who will meet two of tomorrow's opponents, BU and Harvard, next week for the Compton Cup.

Bill Peck '60 will be in the bow tomorrow with Bob Hofland '61 in the number two position when the heavies hit the water. Bick Hooper '60, Don Morrison '60, Irv Weinman '60, Ed Neild '60, Captain Steve Spooner '60 and stroke Dean Webber will complete the boat.

Craig Fletcher '60 will hold down the bow position for the Beaver JV heavyweight boat with Chuck Negh '60, Bill Kendall '61, Vic Utgoff '60, Dave Culver '61, Bill Grimmell '60 and Mike Gockel '61 behind. Mail Jensen '60 will be the JV stroke. Peter Buttner '61 will cox the shell.

Beaver Nine Faces Bates On Saturday

The MIT varsity baseball squad will play its first home game of the year tomorrow on Briggs Field when it takes on Bates College. This game will be a welcome relief for the travel weary team which has played eight away games prior to this engagement.

In preparation for Saturday's contest, the team has been participating in daily workouts. The emphasis has been on hitting in the hope that the batters will be able to hit the long ball and deliver that timely base hit in the clutch.

Either Al Beard '59 or Dick Oeler '60 will be the probable starting pitcher in this week-end's encounter. Behind the plate will be catcher and team captain Warren Goodnow, who is pictured at right.



DATE. A great place
to meet is over tall glasses
of golden Budweiser.
You know...where there's life,
there's Bud.



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Sailors Third in Oberg Regatta; Capture Boston Dinghy Club Cup

The MIT sailors topped teams from twelve other schools last Saturday and Sunday to capture the Boston Dinghy Club Cup in races held on the Charles. The Techmen finished with a formidable 237 points to beat second place BU by fourteen. After BU came Bowdoin with 203 points, Brown right behind with 202 and Coast Guard with 184. Harvard finished eighth with 152.

High point skipper for the series was MIT's Dennis Posey '59 who amassed 126 points out of a possible 143. Crewing for him was Pete Gray '61. Sailing in the other division was Bill Widnall '59, with crew Jake van Heeckeren '60.

Brisk ten to twenty knot winds made Saturday's racing very keen. Although a complete change in conditions turned Sunday's races into drifting matches, a slight increase in wind strength made further racing possible later that afternoon.

on deck

Friday Varsity Tennis with Colby 3:00 p.m. Saturday Varsity Track with UNH, Tufts 1:15 p.m. Freshman Track with Tufts 1:15 p.m. Varsity Golf with Colby, Springfield 2:00 p.m. Varsity Tennis at UMass 2:00 p.m. Varsity Baseball with Bates 2:00 p.m. Varsity Lacrosse with New Hampshire 2:00 p.m.	MIT Third in Oberg Trophy Race Fighting raw northeasterly winds, MIT's sailors finished third behind BU and Harvard. Fouls hurt the Techmen as each of the three entries dropped out of a race because of violations. Gray was top man in the B Division with five straight wins after an opening race withdrawal. Skippering in the A Division was Jan Northby '59, and in the C Division, Bill Long '59. At the sheets were George Kirk '60, Don Nelsen '61, and Gary Hirschberg '61. The sailors will face another big week-end as they will see action tomorrow in the Geiger Memorial Trophy Regatta on the Charles, and Sunday in the New England Dinghy Championship Eliminations at Coast Guard. The Geiger Trophy races will be sailed in three divisions: 110's with spinnakers in Division A, Fireflies in Division B, and Tech Dinghies in Division C.	Freshman Lacrosse at New Hampshire 2:00 p.m. Heavyweight Crew with Harvard, Syracuse, BU 4:00 p.m. Freshman Tennis at Harvard 3:00 p.m. Lightweight Crew at Navy Varsity Sailing at MIT for Geiger Trophy Sunday Sailing—Dinghy Championships at Coast Guard
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Varsity Lacrossemen Down Harvard 6-4 Show Great Strength Defeating WPI 13-1

The powerful lacrosse team, after having four easy victories, their latest over WPI by a score of 13-1, was presented with stiff competition last Tuesday afternoon and had to come from behind three times to defeat

Trackmen Succumb; Broad Jump Record Set by Neil Bacote

Traveling to Providence last Saturday the varsity and freshman track teams were downed by the Brown University cindermen by scores of 94 1/6-40 1/6 and 84-38, respectively. Neil Bacote '62 provided the highlight of the day in the broad jump by leaping 21' 9 1/4" to set a new freshman record. The old standard of 21' 2 1/4" was set by Dan McConnell '61 last spring. Bacote was also high scorer for the frosh with 11 points.

Pacing the varsity was Joe Davis '61 with 11 tallies. Davis copped the high jump while placing second in both the high and low hurdles behind Brown's Angelo Sinisi, IC4A indoor hurdles champion. Other Tech winners were captain Bill Nicholson '60 in the hammer throw, Jim Long '60 in the javelin throw, Dan McConnell '61 in the broad jump, and Nate Liskov '60 with a tie for first in the pole vault.

Besides capturing first place in the broad jump, frosh Neil Bacote took second in both the 100- and 220-yard dashes to gain his 11 points. Dave Koch was a double winner for the yearlings with victories in the high jump and pole vault.

The freshman squad made their first home appearance Wednesday when they met Governor Dummer at Briggs Field. Both varsity and freshmen will see action tomorrow at Briggs at 12:45 p.m. The varsity will face Tufts and the University of New Hampshire in a triangular meet while the frosh engage the Jumbo yearlings in dual contests. spelled off numerous penalties by

Harvard by a score of 6-4. The Crimson, led by Bohn who scored all four goals, opened the scoring on a quick break late in the first quarter, but Chuck Fitzgerald '59, on a solo play, backhanded one in while being fouled with half a minute remaining in the quarter.

Harvard opened their offensive in the second quarter with Bohn getting two in the first five minutes, but the Engineers proceeded to carry the play, being stopped repeatedly as in the first quarter by Chris Stone, Harvard's goalie, who made several outstanding saves, robbing attackman Paul Ekberg '59 several times. However, Joe Skendarian '61 carried the ball alone all the way downfield and through the defense to score at 9:38. Then at 11:24, Ekberg tied the score on a pass from Jim Russell '59 while Harvard was a man down. Bohn put the Cantabs out in front again when he scored on an empty net after the Beaver goalie had attempted to clear.

Florian Ties Score

Led by the second midfield, attackman Ekberg, and the exciting play of Phil Frink '60 in goal, the Techman ran Harvard into the ground. In the second half, Nat Florian '60 drove in to tie the score and a minute later at 13:20 he passed to Skendarian who scored the winning goal. With two men down for a minute, the Beavers showed their strength by thwarting Harvard just as they


outstanding ball handling.

Russell opened the fourth quarter with the insurance goal for Tech as he took a pass from John Comerford '59 and drove a hard shot for the score and 2:04. Frink raised the bench to its feet as he took one of three solo dashes the full length of the field before passing off to Ekberg who was robbed by a great save. There was no more scoring despite Tech's control of the play.

Engineers Down WPI 13-1

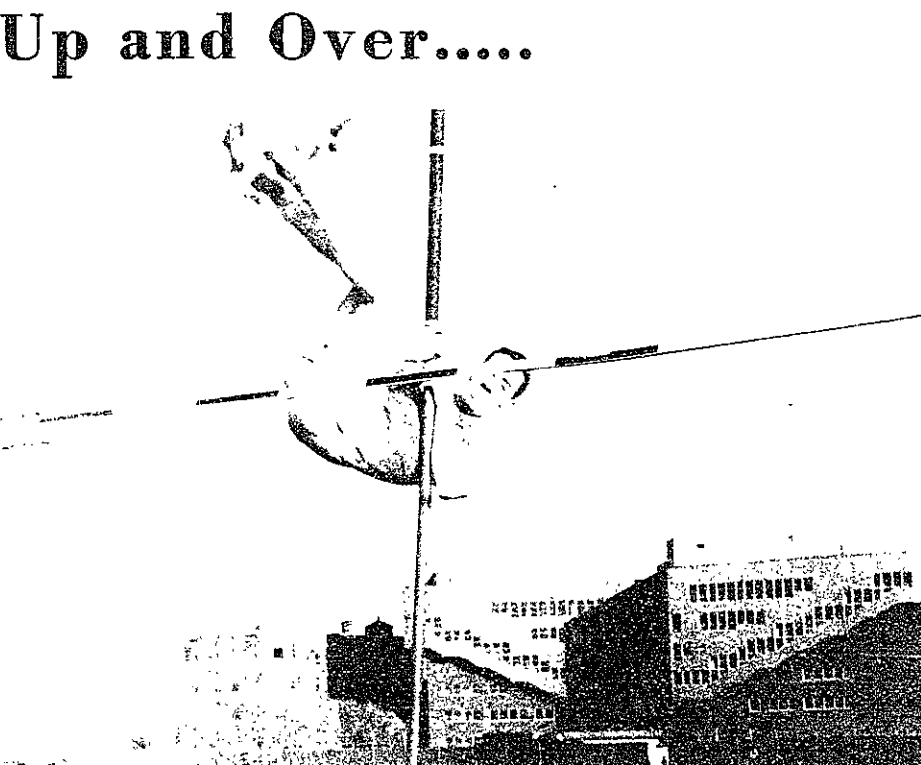
The Techmen showed their great strength by wallowing WPI by a score of 13-1 last Saturday. Outstanding for the Engineers were Chuck Fitzgerald '59 and Jim Russell '59 who each contributed 3 goals. The remaining seven were scored by seven other men to round out an excellent team effort. Chuck Conn '60 was credited with four assists and John Comerford '59 chalked up two. In this match WPI displayed many weaknesses, exhibiting no depth.

Coach Ben Martin will lead the squad against UNH at home tomorrow afternoon. This should be the sternest test of the season for his team. The game shows all indications of approaching and possibly surpassing Tuesday's game in excitement, and crowd pleasing play. Tomorrow's game will be one of the most important single sport's event at MIT this year as a win over UNH would put the lacrosse team in line for an undefeated season.



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Racquetmen Overcome Army, BU; Topped by Harvard, Brown Squads

Last week-end the varsity netmen recovered with a show of strength of the courts after bowing to Harvard 9-0 on Wednesday. The Beaver loss was chalked up to great depth on the Harvard team, although four of the nine matches went three sets.

On Friday MIT ran into a tough Army team and emerged on top, 6-3. Raul Karman '61, Jeff Winicour '59, Jack Klapper '61, and Bob Hodges '60 swept the first four singles matches, while the first and third doubles contests were won by Karman and Klapper, and Bob Palik '59 and Winicour. Most of the battles were taken in two sets as the team looked sharp.

Brown, showing a squad stronger than the Cadets, outplayed a hard fighting Beaver team on Saturday, ending with MIT defeated 6-3. Karman fought a close three set duel to win the first singles match 3-6, 6-4, 7-5. Klapper won at third in two sets, and then teamed up with Karman to take the first doubles encounter in straight sets. Three matches were lost in three sets to hurt the netmen's total score.

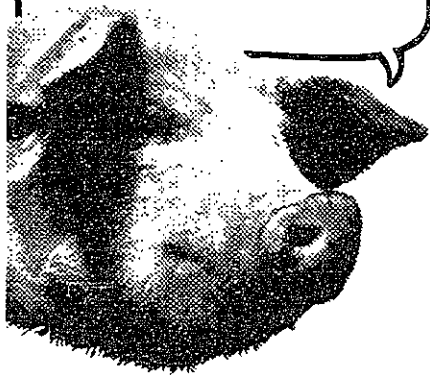
BU Trounced

Monday saw a fired up Beaver team roll over BU, 9-0. All Techmen won in straight sets and it was felt that the Terrier team was weaker than

usual, perhaps because this was their first match of the season.

The MIT freshmen were defeated 7-2 by Brown on Saturday, in their first competition of the spring. Jerry Adams won 6-0, 6-4, while Jim Taylor and George Enno took their doubles match in straight sets.

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I.

A Book of Verses underneath the Bough,
Some Schaefer Beer, a Loaf of Bread—and Thou
Beside me yakketing in the Wilderness—
Oh, just the Beer were Paradise enow!



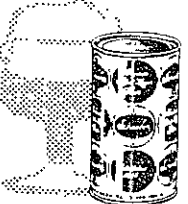
II.

Come, fill the Cup with golden Schaefer brew,
For in the Best of Circles it is true
Each parchèd Voice cries, "Schaefer all around!"
Ah, Love, I echo them—and think of You!



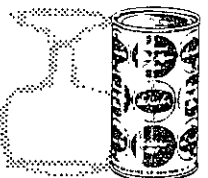
III.

Oh, my Beloved, let us now make haste
To sip our Schaefer with its smooth Round taste:
We know it's never Sharp and never Flat,
And in this World we've little time to Waste!



IV.

And those who husbanded the golden Grain—
Sun-ripened, perfect, gently kissed by Rain—
Have sent it to us now in Schaefer Beer,
And Worldly Hope is in my Heart again!

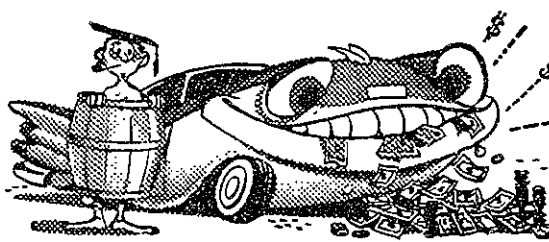


V.

And any time, my Friend, you come to pass
Schaefer to Guests star-scattered on the Grass,
And in your happy errand reach the place
Where I once stood—turn down an empty Glass!

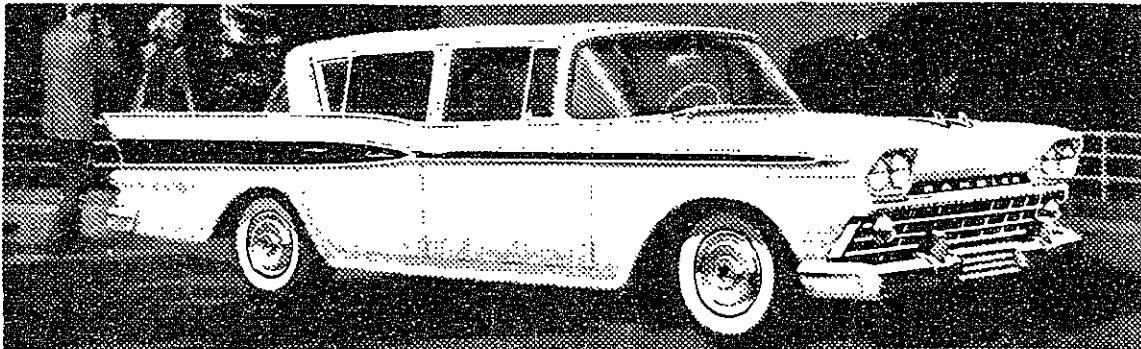
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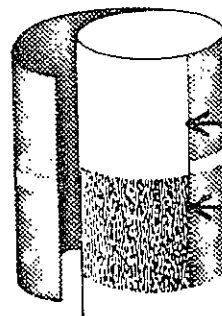
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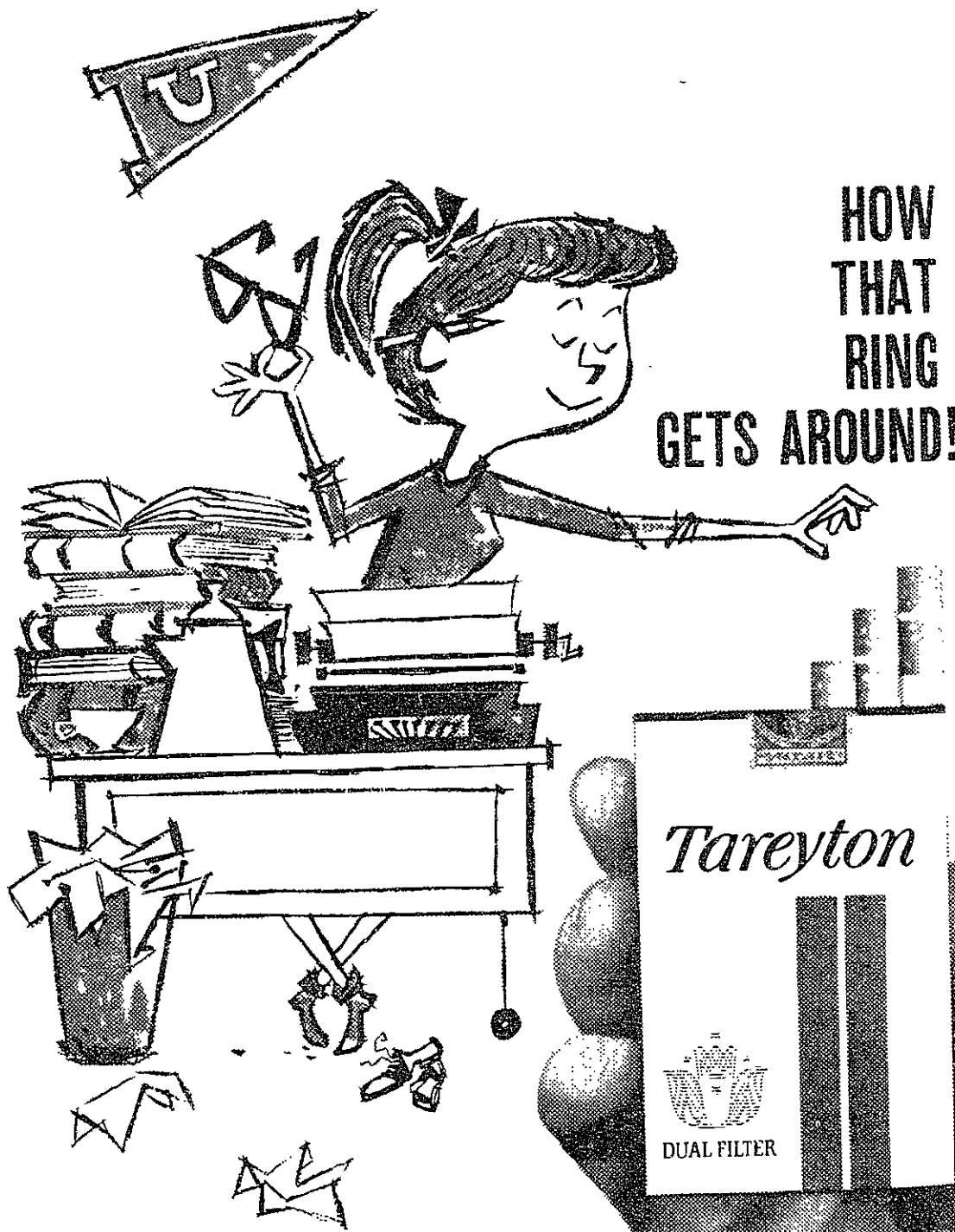
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